

1. A biodegradable composition comprising:  
at least one soft synthetic thermoplastic biodegradable polymer having a glass transition temperature less than about  $-10^{\circ}\text{C.}$ ; and  
at least one stiff synthetic thermoplastic biodegradable polymer having a glass transition temperature greater than about  $10^{\circ}\text{C.}$  included in an amount greater than about 55% by combined weight of the soft and stiff biodegradable polymers,  
wherein the biodegradable composition is suitable for formation into at least one of sheets or films.

2. A biodegradable composition as defined in claim 1, wherein the stiff biodegradable polymer includes at least one of a modified polyethylene terephthalate in which a portion of the terephthalate groups are substituted with at least one aliphatic diacid, a polyesteramide, polylactic acid, a polylactic acid derivative, a terpolymer including units formed from glycolide, lactide and  $\epsilon$ -caprolactone, or a polyesteramide formed from at least one diacid, at least one diol, and at least one amino acid.

3. A biodegradable composition as defined in claim 1, wherein the soft biodegradable polymer includes at least one of an aliphatic polyester including units formed from at least one of a lactide or a hydroxyacid having at least 5 carbon atoms, a polyester including units formed from an aliphatic diol, an aliphatic diacid and an aromatic diacid, a polyester including units formed from succinic acid and an aliphatic diol, an aliphatic-aromatic copolyester including units formed from adipic acid, dialkyl terephthalate, and at least one aliphatic diol, polycaprolactone, polyhydroxybutyrate-hydroxyvalerate copolymer, polybutylene succinate, polybutylene succinate adipate, or polyethylene succinate.

4. A biodegradable composition as defined in claim 1, further including thermoplastic starch.

5. A biodegradable composition as defined in claim 4, wherein the thermoplastic starch is substantially free of plasticizers.

6. A biodegradable composition as defined in claim 4, wherein the thermoplastic starch is included in an amount of less than about 10% by combined weight of the thermoplastic starch and the soft and stiff synthetic biodegradable polymers.

7. A biodegradable composition as defined in claim 1, wherein the stiff biodegradable polymer is included in a range of about 70% to about 95% by weight of the biodegradable polymer blend.

8. A biodegradable composition as defined in claim 1, wherein the stiff biodegradable polymer has a glass transition temperature greater than about 15° C.

9. A biodegradable composition as defined in claim 1, wherein the stiff biodegradable polymer has a glass transition temperature greater than about 25° C.

10. A biodegradable composition as defined in claim 1, wherein the stiff biodegradable polymer has a glass transition temperature greater than about 35° C.

11. A biodegradable composition as defined in claim 1, wherein the soft biodegradable polymer has a glass transition temperature less than about -20° C.

12. A biodegradable composition as defined in claim 1, wherein the soft biodegradable polymer has a glass transition temperature less than about -30° C.

13. A biodegradable composition as defined in claim 1, further including at least one nonbiodegradable polymer.

14. A biodegradable composition as defined in claim 1, further including at least one of a particulate filler or a fibrous filler.

15. A biodegradable composition as defined in claim 14, wherein the particulate filler comprises an inorganic filler.

16. A biodegradable composition as defined in claim 15, wherein the inorganic filler is included in an amount greater than about 10% by weight of the biodegradable composition.

17. A biodegradable composition as defined in claim 15, wherein the inorganic filler is included in an amount greater than about 20% by weight of the biodegradable composition.

18. A biodegradable composition as defined in claim 15, wherein the inorganic filler is included in an amount greater than about 30% by weight of the biodegradable composition.

19. A biodegradable composition as defined in claim 14, wherein the particulate filler comprises an organic filler.

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20. A biodegradable composition comprising:

at least one soft thermoplastic biodegradable polymer having a glass transition temperature less than about  $-10^{\circ}\text{C}.$ ;

at least one stiff synthetic thermoplastic biodegradable polymer having a glass transition temperature greater than about  $10^{\circ}\text{C}.$ ; and

at least one solid filler included in an amount of at least about 30% by weight of the biodegradable composition,

wherein the biodegradable composition is suitable for formation into at least one of sheets or films.

21. A biodegradable composition as defined in claim 20, wherein the solid filler comprises at least one of an inorganic particulate filler or an organic particulate filler.

22. A biodegradable composition as defined in claim 21, wherein the inorganic particulate filler is included in an amount greater than about 35% by weight of the biodegradable composition.

1           23.    A biodegradable composition comprising:

2                   at least one stiff synthetic thermoplastic biodegradable polymer having a glass  
3 transition temperature greater than about 10° C.; and

4                   at least one soft thermoplastic biodegradable polymer having a glass  
5 transition temperature less than about -10° C., the soft thermoplastic biodegradable  
6 polymer optionally comprising thermoplastic starch, with the proviso that the  
7 thermoplastic starch is included in an amount of less than 10% by combined weight  
8 of the soft and stiff biodegradable polymers;

9                   wherein the biodegradable composition is suitable for formation into at least  
10 one of sheets or films.

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12           24.    A biodegradable composition as defined in claim 23, wherein the  
13 thermoplastic starch is substantially free of plasticizers.  
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1           25.   A biodegradable composition comprising:  
2               at least one stiff synthetic thermoplastic biodegradable polymer having a glass  
3 transition temperature greater than about 10° C.; and  
4               at least one soft thermoplastic biodegradable polymer having a glass  
5 transition temperature less than about 0° C., the soft thermoplastic biodegradable  
6 polymer optionally comprising thermoplastic starch, with the proviso that the  
7 thermoplastic starch is substantially free of plasticizers;  
8               wherein the biodegradable composition is suitable for formation into blown  
9 films.  
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